Figure 1

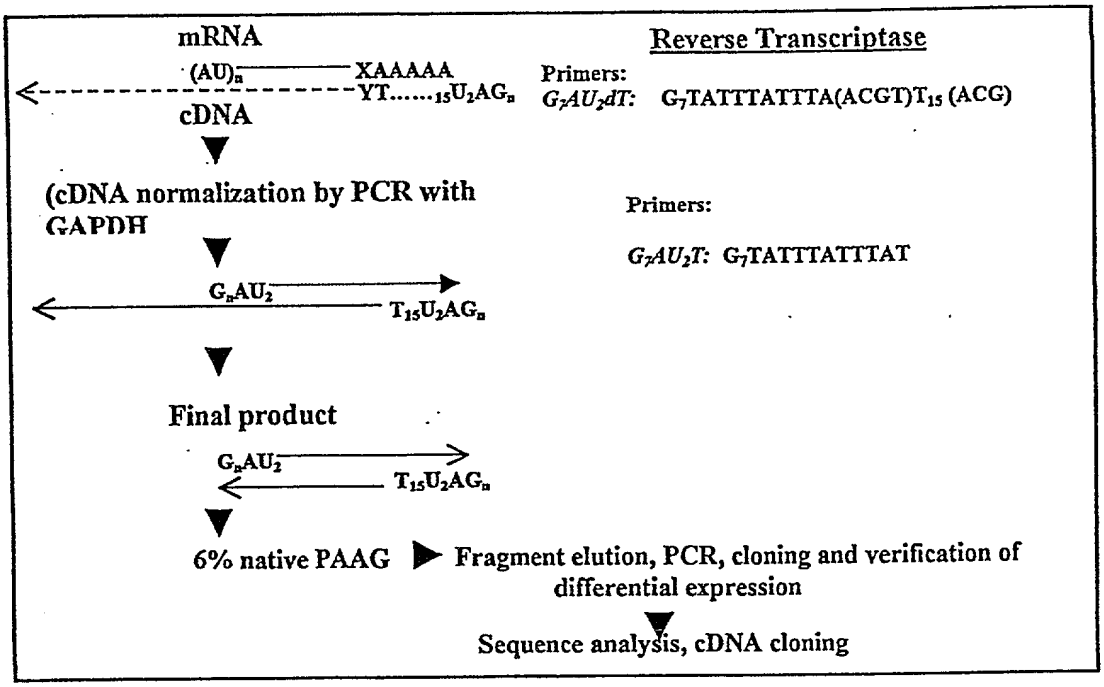
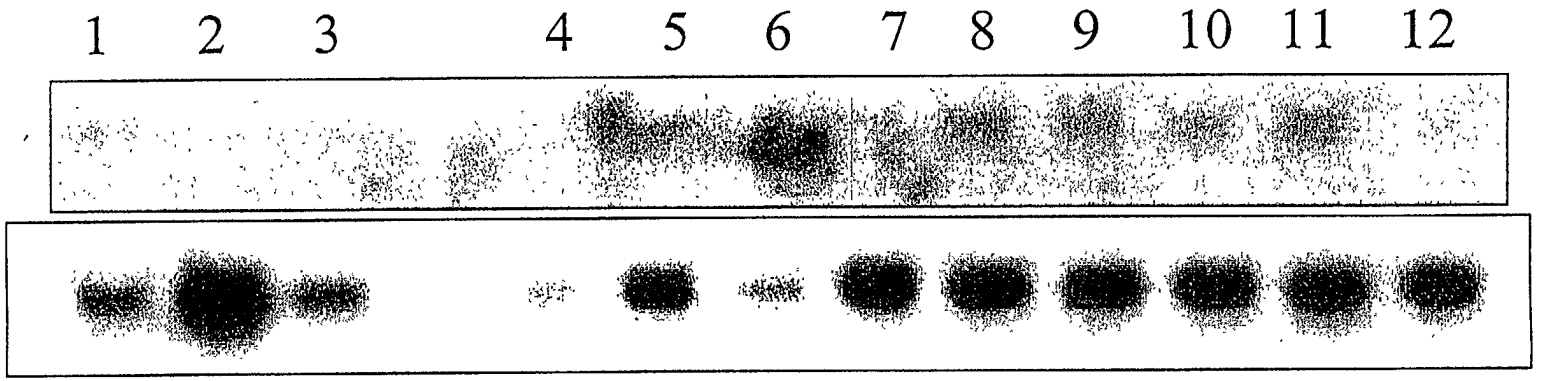

mRNA
(AU)n
XAAAAA
YT.....15U2AGn
cDNA
Reverse Transcriptase
Primers:
G7AU2dT: G7TATTTATTTA(ACGT)T15 (ACG)
(cDNA normalization by PCR with GAPDH
Primers:
G7AU2T: G7TATTTATTTAT
GnAU2
T15U2AGn
Final product
GnAU2
T15U2AGn
6% native PAAG
Fragment elution, PCR, cloning and verification of differential expression
Sequence analysis, cDNA cloning

Figure 2



1. Colon
2. Skeletal muscle
3. Liver
4. Spleen
5. Small Intestine
6. Ovary
7. Brain
8-12. Kidney samples

Upper panel: Northern blot hybridized with candidate gene probe
Lower panel: the same blot hybridized with mouse GAPDH gene probe, shown as internal control

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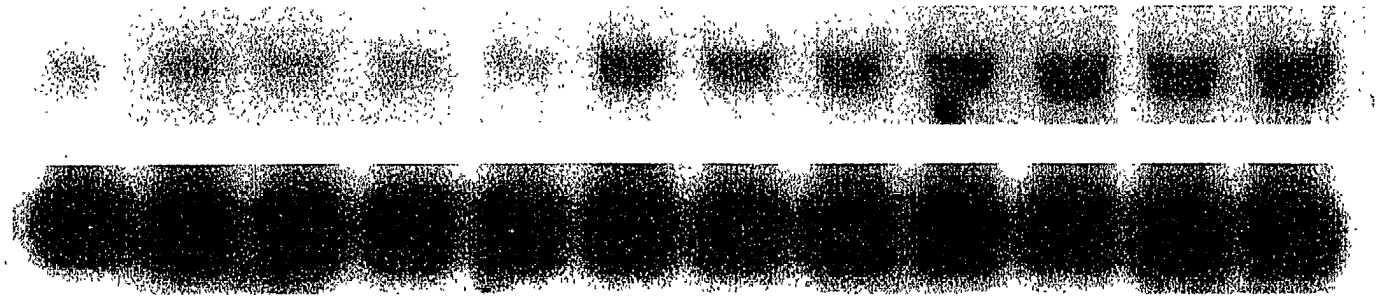
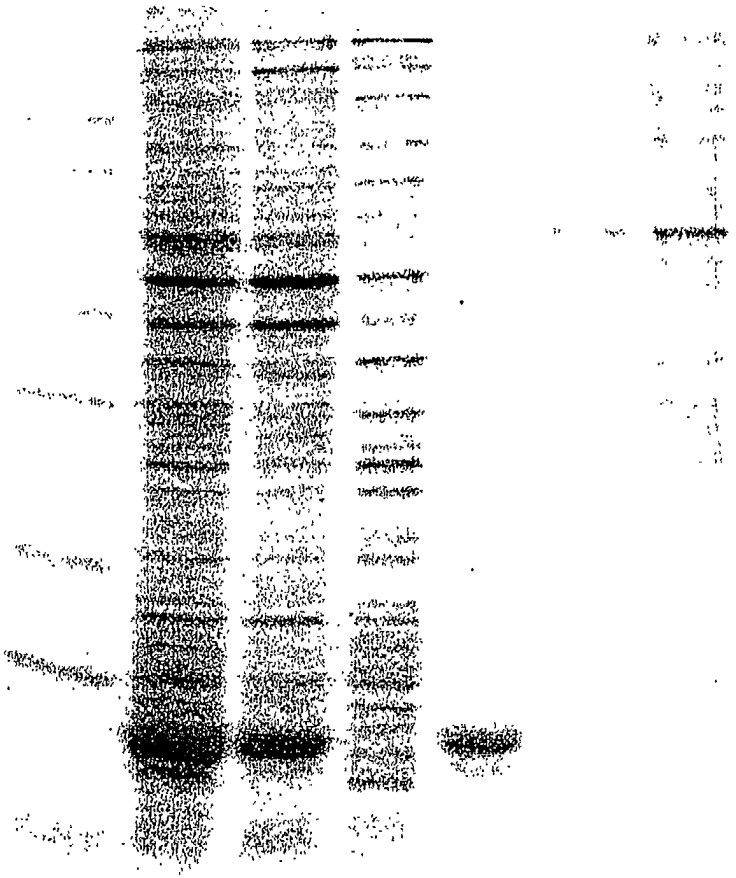
Figure 3



1. Normal kidney(non-TG)
2. 30 min I (non-TG 1)
3. 30 min I (non-TG 2)
4. 30 min I (TG 1)
5. 30 min I (TG 2)
6. I/R 6hrs (non-TG1)
7. I/R 6hrs (non-TG2)
8. I/R 6hrs (TG-1)
9. I/R 6hrs (TG-2)
10. I/R 24hrs (non-TG 1)
11. I/R 24hrs (non-TG 2)
12. I/R 24hrs (TG 1)

T00260 "E909660

Figure 4



1. Molecular marker
2. Total cell extract
3. 20,000g ppt after sonication
4. 180,000g ppt
5. 20% $(NH_4)_2SO_4$ ppt
6. 40% $(NH_4)_2SO_4$ ppt
7. 60% $(NH_4)_2SO_4$ ppt

← **IAP**

1 2 3 4 5 6 7

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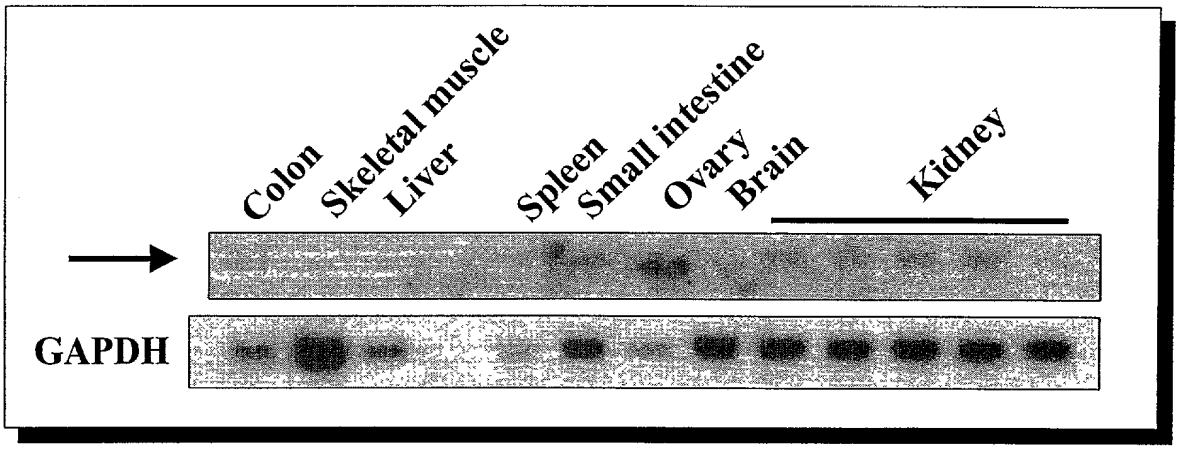
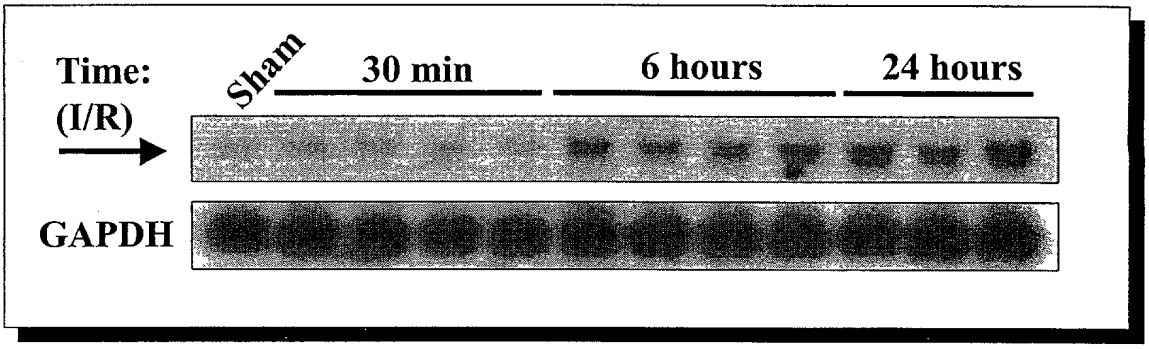
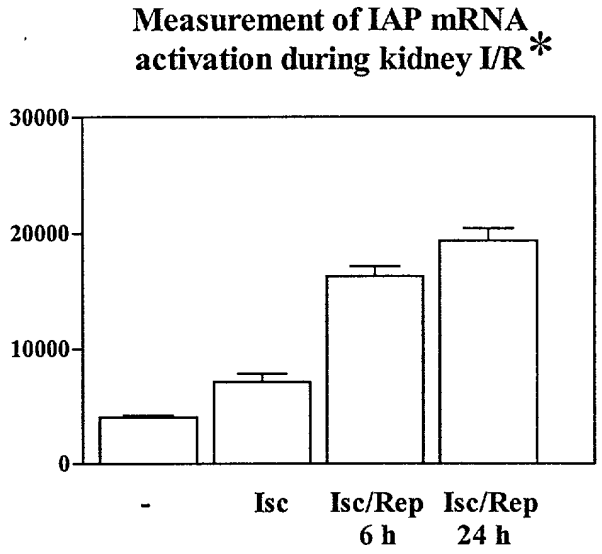
mRNA expression in mouse tissues



mRNA expression after kidney ischemia/reperfusion



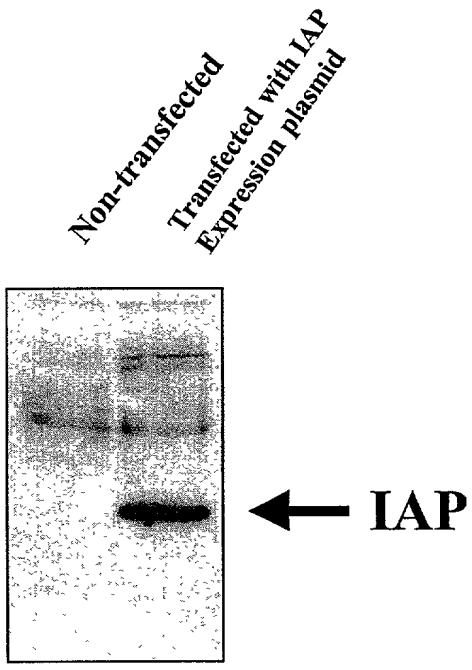


*At least 4 animals were analyzed per each group.

Data are expressed as the mean±SEM.

Figure 6

Overexpression of IAP in Hela cells



Hela cells were transfected with plasmid DNA, containing pEF/myc/cyto vector (Invitrogen) containing human IAP cDNA. After 48 hrs cells were lysed and total cellular extract was analyzed by Western blotting using anti-IAP rabbit polyclonal Ab and Phototope-HRP Western Blot Detection Kit (BioLabs) as described in manufacturer`s protocol.

Figure 7